

Course analysis for SK2350 based on student questionnaire:

Date: 20210921

Semester: VT2021: P3

Course responsible: Michael Fokine,

Teachers:

Lecturers: Michael Fokine, Marcin Swillo

Lab assistants: Michael Fokine, Marcin Swillo, Korbinian Mühlberger

Industry seminars:

- Northlab Photonics,
- Saab Avionics,
- RISE Fiberlab,
- Saab Dynamics,
- RISE Optical Fiber Sensors Group
- Swedish Energy Agency.

Number of registered students: 7

Students' results: 100 % pass

Meaningfulness

Stimulating tasks – I worked with interesting issues:

- Very positive response on lab exercises and company presentations.
- Some improvement in correlation between lectures and topics of invited company presentations was suggested.

Challenge - The course was challenging in a stimulating way:

- Overall positive response (Yes), largest workload was considered the labs and the conference style presentation.

Comprehensibility – the cognitive level

Clear objectives and organization - The intended learning outcomes helped me to understand what I was expected to achieve:

- All students responded that course description matched the course topics.

Understanding of the subject - I was able to learn from concrete examples that I could relate to:

- Examples in the industry by company lectures in combination with lab exercises on the same topics where appreciated.

Understanding of key concepts had high priority:

- Students understood the main concepts of using optical fibers as optical sensors for a variety of applications. However, we see a need from the students for some more theoretical exercises.

Constructive alignment - The course activities helped me to achieve the intended learning outcomes efficiently:

- Overall positive response (Yes), Additional theoretical exercises should improve this further.

Feedback and security - I was able to practice and receive feedback without being graded:

- Overall positive response. More feedback on presentation technique and communication style was suggested by students.

The assessment on the course was fair and honest:

- All students agreed, Yes

Manageability – the instrumental level

Adequate prior knowledge - My background knowledge was sufficient to follow the course

- All students agreed, Yes

Variation and participation - The course activities enabled me to learn in different ways

- Overall positive response (Yes), but some additional exercises were suggested.

Collaboration - I was able to learn by collaborating and discussing with others

- Overall positive response. Changes will be made with the presentation format to engage student's activity.

Support - I was able to get support if I needed it:

- All students agreed, Yes. Students could get feedback during the lecture, labs or later by email.

General questions

What grading scale is most suitable for the course (P/F or A-F)?

- All students agreed, P/F

What was the best aspect of the course?

The students gave the following answers:

- *"There were many experts gave us lectures, which makes me learn many things different."*
- *"Guest lectures and experiments."*
- *"Exposure to the many companies working in the field / Well-thought out and unique experiments."*
- *"To see what kind of industry application of optics there are."*
- *"Labs here really nice, they were perfectly explained and interesting. Also knowing what companies are working on is nice."*
- *"The best aspect was the possibility to work in the laboratories and apply what we studied before."*
- *"Laboratories"*

What would you suggest to improve?

- Based on student feedback we will introduce home assignments and improve coordination between lectures and industry seminars.

What advice would you like to give to future participants?

The students gave the following answers:

- *"Understanding the lecture is very important."*
- *"Be relax because there's little daily task, but concentrate on experiments."*
- *"Take advantage of the exposure to companies who work in the field."*
- *"Have fun! It is really a nice course. "*
- *"To follow with particular attention the seminars."*